

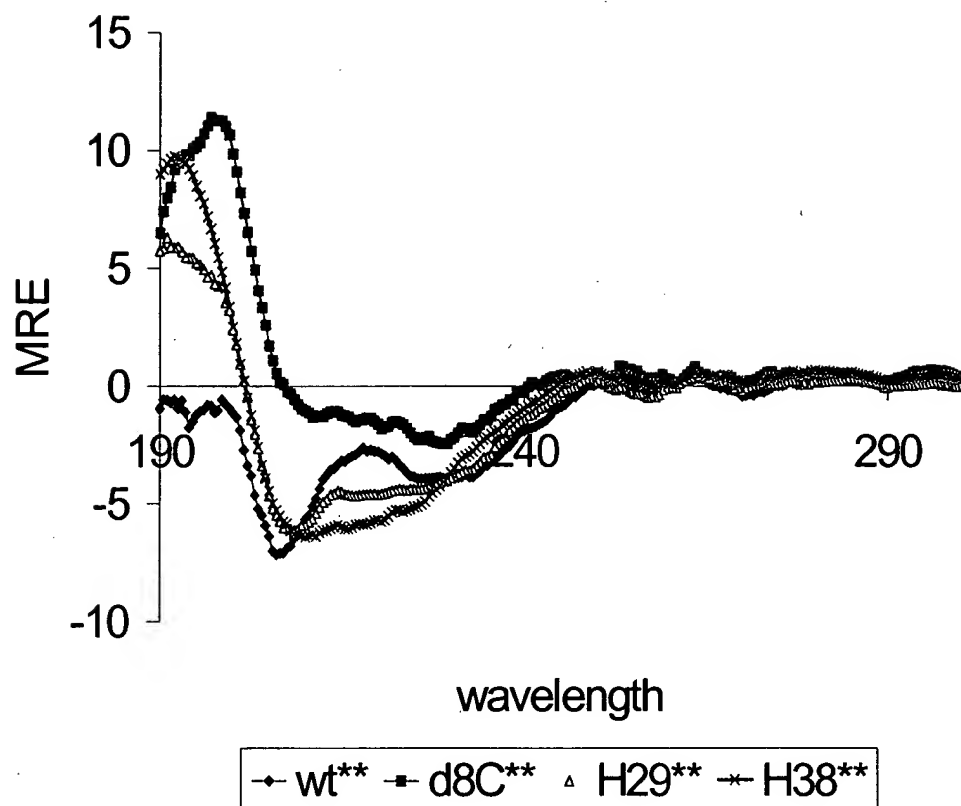
Handwritten signature

EXHIBIT D

Figure 1

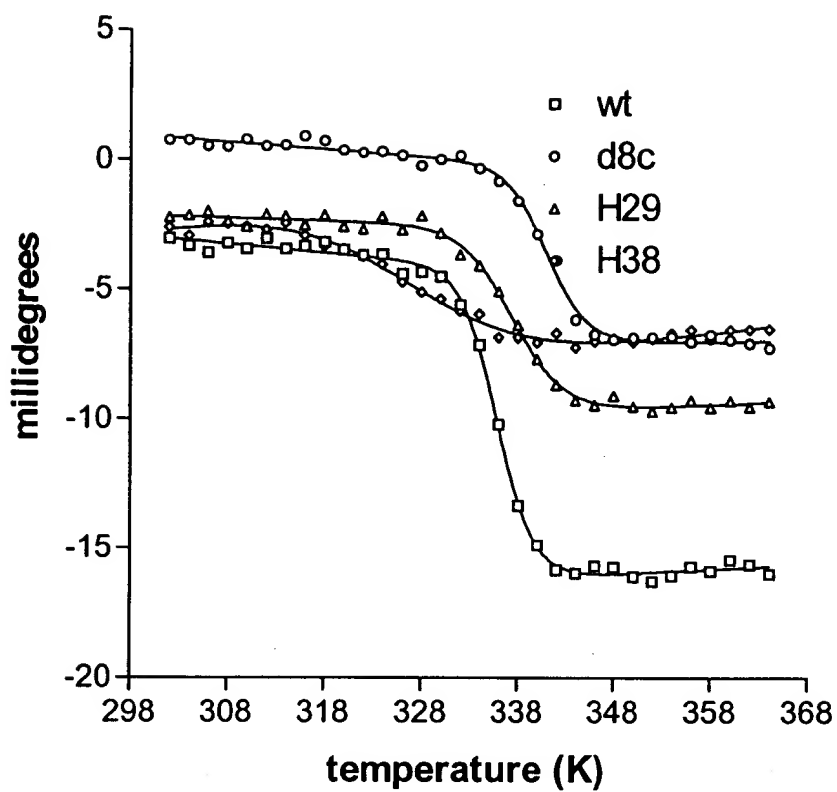
MSEVQQLPIR AVGEYVILVS EHAQAGDEEV TESGLTIGKR VQGEVHELVCV VHSVGPDPVPE GFCEVGDLTSLPVGQIRNVP HPFVALGLKQ PKEIKQKFVT CHYKAIPCLY K	T4Hsp10
MSEVQQLPIR AVGEYVILVS EHAQAGDEEV TESH I K	T4Hsp10d8C
MSEVQQLPIR AVGEYVILVS EHAQAGDEEV TKGGINLPEK SQGEVHELVCV VHSVGPDPVPE GFCEVGDLTSLPVGQIRNVP HPFVALGLKQ PKEIKQKFVT CHYKAIPCLY K	T4Hsp10nm1
MSEVQQLPIR AVGEYVILVS EHAQAGDEGS TDYGIILQINS RQGEVHELVCV VHSVGPDPVPE GFCEVGDLTSLPVGQIRNVP HPFVALGLKQ PKEIKQKFVT CHYKAIPCLY K	T4Hsp10HEL29
MSEVQQLPIR AVGEYVILVS EHAQAGDEEV TESGLIIGST DYGIILQINSR VHSVGPDPVPE GFCEVGDLTSLPVGQIRNVP HPFVALGLKQ PKEIKQKFVT CHYKAIPCLY K	T4Hsp10HEL38

Highlighted sequences correspond to the "unstable polypeptide segments" that restore proteolytic sensitivity in the mobile loon.



WT: T4Hsp10
d8C: T4Hsp10d8C
Hel29: T4Hsp10Hel29
Hel38: T4Hsp10Hel38

Figure 2



WT: T4Hsp10

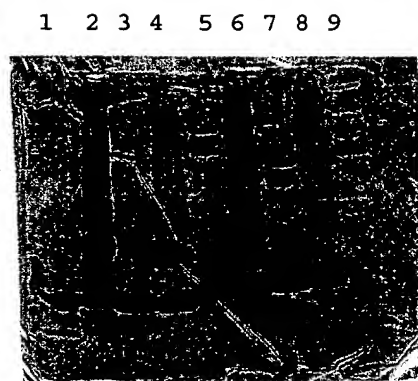
d8C: T4Hsp10d8C

Hel29: T4Hsp10Hel29

Hel38: T4Hsp10Hel38

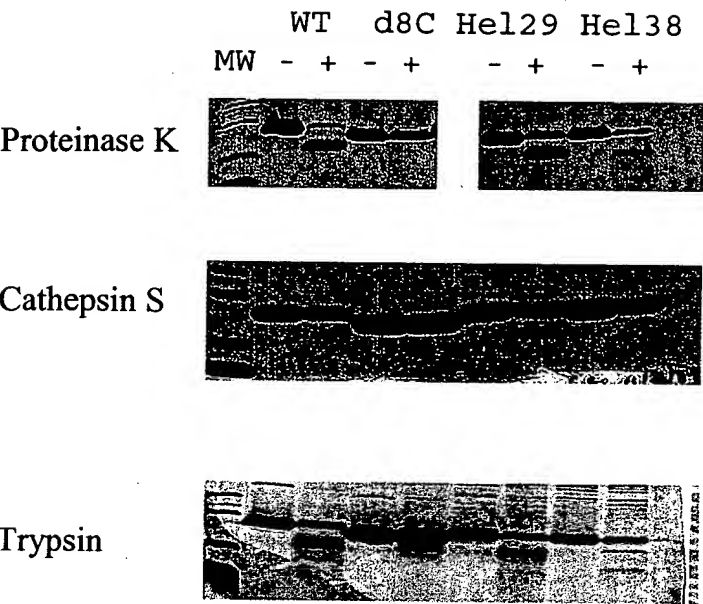
Figure 3

Figure 4.



- Lane 1. T4Hsp10 – no glutaraldehyde
- Lane 2. T4Hsp10 – glutaraldehyde
- Lane 3. T4Hsp10d8C – no glutaraldehyde
- Lane 4. T4Hsp10d8C – glutaraldehyde
- Lane 5. T4Hsp10Hel29 – no glutaraldehyde
- Lane 6. T4Hsp10Hel29 – glutaraldehyde
- Lane 7. T4Hsp10Hel38 – no glutaraldehyde
- Lane 8. T4Hsp10Hel38 – glutaraldehyde
- Lane 9. Molecular weight markers

Figure 5



WT: T4Hsp10

d8C: T4Hsp10d8C

Hel29: T4Hsp10Hel29

Hel38: T4Hsp10Hel38

+ enzyme present

- enzyme absent

Percent intact protein remaining after proteolysis

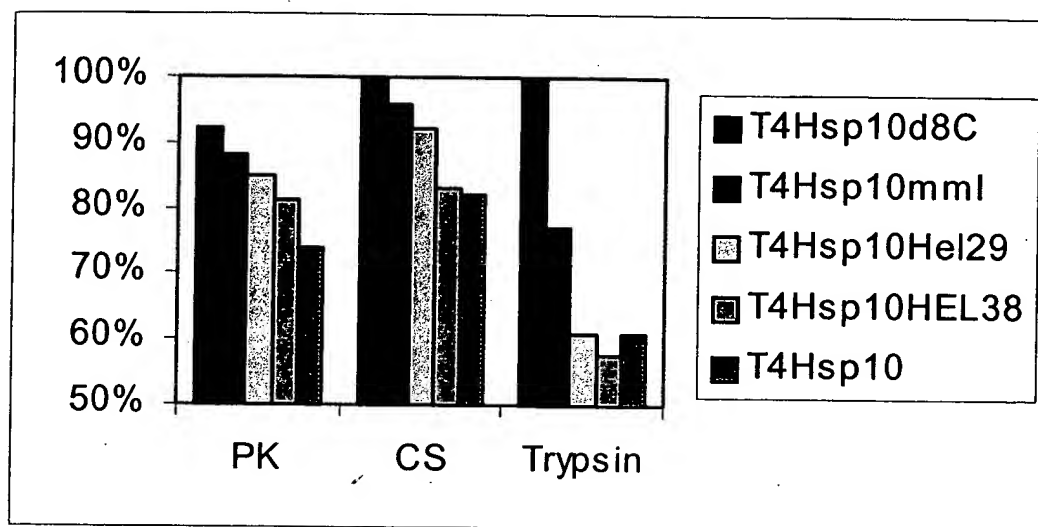


Figure 6